

FIGURE 1

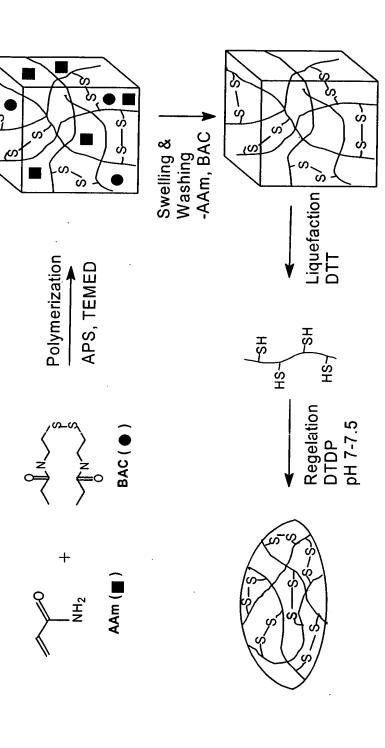


FIGURE 2

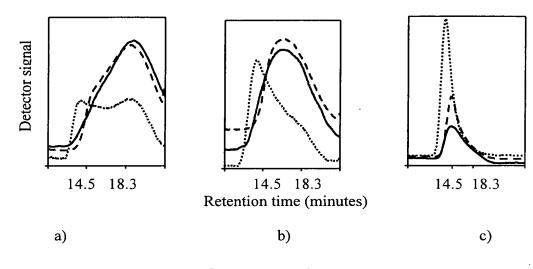


FIGURE 3

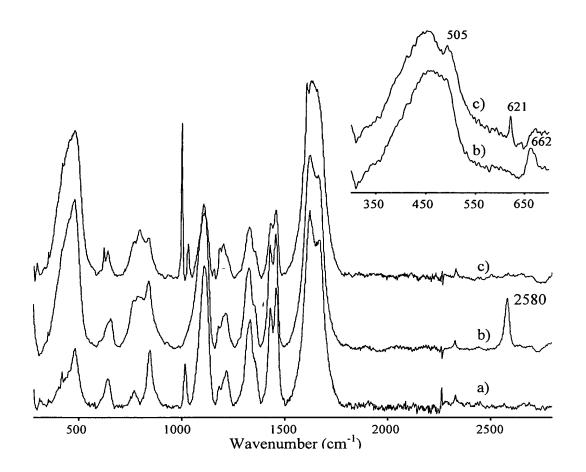


FIGURE 4

a)
$$AB-SH + HO \longrightarrow AB-S^{-} + H_{2}O$$

$$AB-S^{-} + O_{2} \longrightarrow AB-S^{-} + O_{2}^{-}$$

$$2 AB-S^{-} \longrightarrow AB-SS-AB$$

b)
$$AB-SH + RSSR \iff AB-SSR + RSH$$

$$AB-SH + AB-SSR \iff AB-SS-AB+ RSH$$

FIGURE 5

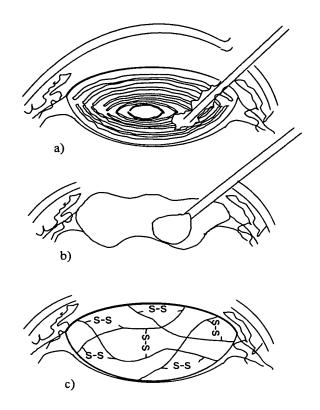


FIGURE 6





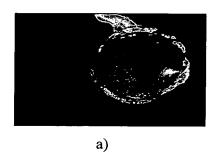


a)

b)

c)

FIGURE 7



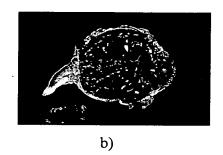


FIGURE 8